





complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents Alexandria, Virginia 22313-1450 or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 7590 09/23/2003

William W. Haefliger Suite 512 201 So. Lake Ave. Pasadena, CA 91101

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

William W. Haefliger (Depositor's name) 101/1/6-1/1-(Signature)

					11111		WY V	
	i				May 3,	2005		(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENT			ATTORNE	Y DOCKET NO.	CONFIRMATION NO.
10/039,811	01/08/2002	L	Morris F. Dilmere			12	2,105-1	1120
TITLE OF INVENTION: TANTALUM AND OTHER		ON PROCESS A	IPPLICABLE	E TO F	UNCTIONALLY (GRADIENT N	MATERIAL (FG	M) COMPOSITIONS OF
ADDIAL MADE	CAALL PARTES	I I I I I I I I I I I I I I I I I I I	ee ee	DI	DI ICATION FEE	TOTAL	FEE(S) DUE	DATE DUE
APPLN. TYPE	SMALL ENTITY NO	ISSUE FI	EE	PU	\$0	TOTAL	FEE(S) DUE	DATE DUE 12/23/2003
nonprovisional	NO	30			30		40	12/23/2003
EXAM	IINER	ART UN	IT	CL	ASS-SUBCLASS			
, JENKINS,	, JENKINS, DANIEL J 1742				075-245000			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 1. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 1. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON TO PLEASE NOTE: Unless an assignee is identified below, no assignee as the previously submitted to the LISPTO or is being submitted under seconds.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. THE PATENT (print or type) data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has eparate cover. Completion of this form is NOT a substitute for filing an assignment.					
(.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			armicha	ael,	Y and STATE OR C California □ individual	, 	or other private gr	oup entity
4a. The following fee(s) are	enclosed:	- 4b	. Payment of			<u> </u>	<u></u>	
□Issue Fee previ	ously paid (Ch		☐ A check in	n the amo	ount of the fee(s) is	enclosed.	Previously	y paid
☐ Publication Fee		#25848)	•	•	card. Form PTO-20			-
☐ Advance Order - # of	Copies		The Direct Deposit Acc	ctor is he ount Nun	reby authorized by			credit any overpayment, to opy of this form).
Director for Patents is reques	sted to apply the Issue Fee a	nd Publication Fee	(if any) or to	re-apply	any previously paid	d issue fee to th	e application ider	ntified above.
(Date) May 3,2005 NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.				uired to ess) an ction is ting the lividual and/or er, U.S.				

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



SUITE 512

PASADENA, CALIFORNIA 91101

LAW OFFICES WILLIAM W. HAEFLIGER PATENT LAWYER

TELEPHONE
(323) 684-2707
(626) 449-0467
FAX (626) 449-0520
E-MAIL: whaeflig@pacbell.net

May 4, 2005

Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Attn: E Shirene Willis

Re: Application of Dilmore et al

Serial No.10/039,811 Filed: January 8, 2002

METAL CONSOLIDATION PROCESS

APPLICABLE TO FUNCTIONALLY GRADIENT

MATERIAL (FGM) COMPOSITIONS OF TANTALUM AND OTHER MATERIALS

Our Docket 12,105-1

Dear Ms. Willis:

In response to decision on PETITION, dated April 25, 2005, kindly enter the following:

REMARKS

Applicants' attorney, William W. Haefliger, has met with Petitions attorneys, Office of Petitions, on May 2, 2005, in the Madison Building, PTO.

The decision was discussed, and Mr. Haefliger sought guidance as to proceeding, namely, acceptable language in a to be submitted completed Part B-(Fee(s) Transmittal from the September 23, 2003 Notice of Allowance mailing (from the PTO), and in particular \P 's $4\underline{a}$ and $4\underline{b}$ of that document.

Submitted herewith is the "Part B" document as required. Reference is made therein to the Issue Fee as having already been paid (\$1,600) by check #25848 from counsel's office. (See also the Part B previously completed form, dated July 10, 2003, that accompanied that check).

Mail Stop Petition May 3, 2005 page 2

It was Mr. Haefliger's understanding from the meeting that, with transmittal of the enclosed Part B form, this case would now proceed to issue. That is respectfully solicited. Mr. Haefliger wishes to thank the Petitions attorneys for their helpful assistance.

Respectfully,

William W. Haefliger

WWH:hk Enclosure



In Group 1742

Applicant:

Morris F. Dilmore et al

10/039,811

Serial No.

1-8-02

Filed:

METAL CONSOLIDATION PROCESS APPLICABLE TO FUNCTIONALLY
For: GRADIENT MATERIAL (FGM) COMPOSITIONS OF TANTALUM AND

OTHER MATERIALS

Any Dkt:

12,105 1

Due:

8-11-03

The date stamped hereon will be considered
the filing date of the stacked for \$1,600.

1

omplete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Alexandria, Virginia 22313-1450

(703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note Tegroly mark-up) with any confections of use Block 1)

7590 05/09/2003

William W. Haefliger Suite 512 201 So. Lake Ave. Pasadena, CA 91101



Note: A certificate of mailing can only be used for domestic mailings of the Fee(s). Transmittal. This certificate caunot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below.

William W. Haefliger	(Depositor's name)
William W. Haefligere	(Signature)
July 10, 2003	(Date)

APPLICATION NO.	FILING DATE •	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/039,811	01/08/2002	Morris F. Dilmore	12,105-1	1120

TITLE OF INVENTION: METAL CONSOLIDATION PROCESS APPLICABLE TO FUNCTIONALLY GRADIENT MATERIAL (FGM) COMPOSITIONS OF TANTALUM AND OTHER MATERIALS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	08/11/2003
EXAMI	NER	ART UNIT	CLASS-SUBCLASS		
JENKINS, I	DANIEL J	1742	075-245000		
©FR 1.563). □ Change of correspond Address form PTO/SB/I □ "Fee Address" indicati	ence address or indication of ence address (or Change of 22) attached. ion (or "Fee Address" Indica or more recent) attached. Us	Correspondence	2. For printing on the patent of the names of up to 3 registerer or agents OR, alternatively, (single firm (having as a mor attorney or agent) and the naregistered patent attorneys or a is listed, no name will be printed.	d patent attorneys 2) the name of a nber a registered nmes of up to 2 gents. If no name	n W. Haefliger
ASSIGNEE NAME AND	RESIDENCE DATA TO I	BE PRINTED ON THE	PATENT (print or type)		
PLEASE NOTE: Unless a	in assignee is identified below the LISPTO or is being a	nw, no assignce data wi	Il appear on the patent, Inclusion cover. Completion of this form is	of assignee data is only appropria NOT a substitute for filing an assi	ite when an assignment ha

(B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE

Ceracon, Inc.

Carmichael, California

individual Scorporation or other private group entity in government Please check the appropriate assignce category or categories (will not be printed on the patent) 4b. Payment of Fee(s): 4a. The following fee(s) are enclosed: Check #25848 A check in the amount of the fee(s) is enclosed. Xissue Fee □ Payment by credit card. Form PTO-2038 is attached. "Publication Fee ☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number _______(enclose an extra copy of this form). ☐ Advance Order - # of Copies Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature) July 10, 2003 NOTE: The Issue Fee and Publication Fee (it required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.31!. The information is required to This collection of information is required by 37 CFR 1.3.11. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.22 and 57 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

25848

THE REAL PROPERTY.	. HAEFLIGER LAWYER
	HAEFLI
	LIAM W
	WILL

PH. 323-684-2707 201 S. LAKE AVE., STE. 512 PASADENA, CA 91101

Commissioner of Patents and Trademarks ***Sixteen Hundred and 00/100***

UNION BANK OF CALIFORNIA PALABELA STO SOUTH LATE AND PALABENA, CA 91101-2601

Dkt.12,105-1

"O 25848" - 11122000495 530140 2545"

DOLLARS @

\$ 1,600.00

16-49 530 1220

DATE July 10, 2003

"0000 1 E0Ó00"



Endo**r**es here

PATENT AND TRADEMARK OFFICE 07-18-2803 FOR CREDITIO THE U.S. TREASURY

PO NOTAVRITE, STAMP OR SIGN BELOW THIS LINE REGLE LED FOR FINANCIAL PROTECTION USE #

po 1.5 7 3 6 9 5

11 21 03

FIRST VIRGINIA BARK 972/2003 FALLS CHIRCH, V

MPSC 61/22/03

[6] [6] [5] [5] [5]

FRB BALTINO
3857 [78]

The state of the s